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## Topic: How do I Create KMZs from DGNs?

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### ORD Version

This workflow is intended for OpenRoads Designer version 10.10.01.03. The directions outlined below may respond differently in other versions of the Program.

### Contact Information

This workflow was produced by Matt Sipes. Please send all questions, errors, or overall complaints to [KYTCCaddSupport@ky.gov](mailto:KYTCCaddSupport@ky.gov) or call 502-782-3983.

### Google Earth files

Many users are utilizing Google Earth files to view design files. Converting DGN's to KMZ's can benefit the designers, environmental and right of way staff, contractors, and anyone else handling the plans.

### Workflow

NOTE: Google Earth does not recognize Bentley line styles. Therefore, upon export from ORD, it will change everything to a solid line. This can be problematic for readability. Before exporting, all the Bentley line styles in the file will need to be converted to custom linestyles.

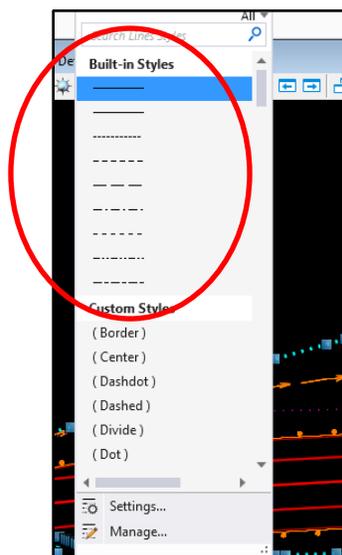
Step 1: Copy and rename file.

Begin by coping your file and renaming. In this example, “\_KMZ” was added. NOTE: This workflow utilizes a 2D file, not a 3D seed file.

04\_8917\_00\_Taylor\_KMZ.dgn [2D - V8 DGN] - OpenRoads Designer CE 2021 Release 1 (1)

Step 2: Converting line styles.

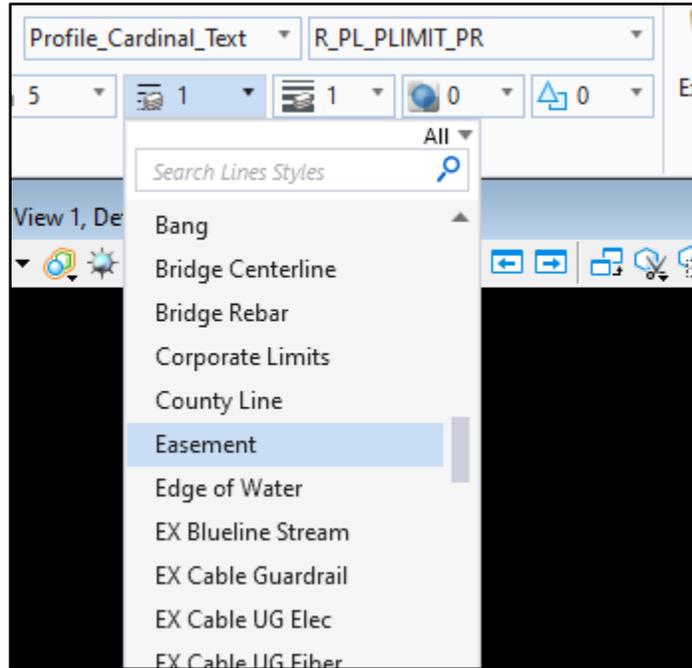
Below is an example of the line styles that need to be converted. Bentley Line style types 1 through 7 are commonly used and will be likely the most widely used across the state.



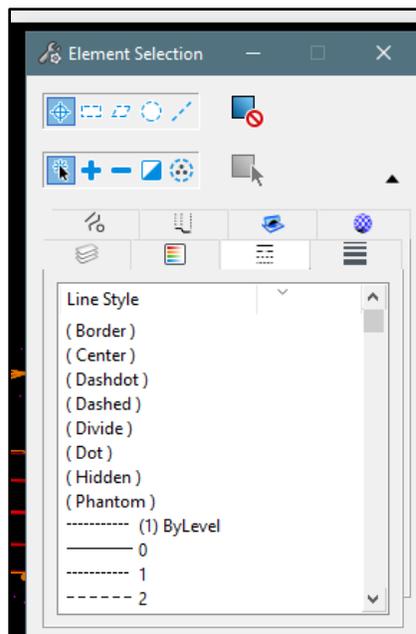
NOTE: Levels on the line styles 1-7 will ALWAYS come in as solid lines.

For example, Disturb Limits utilize Line Style 1. The designer can select any custom line styles that they deem appropriate. For this example, we will change “Disturb Limits” to the custom line style: Easement.

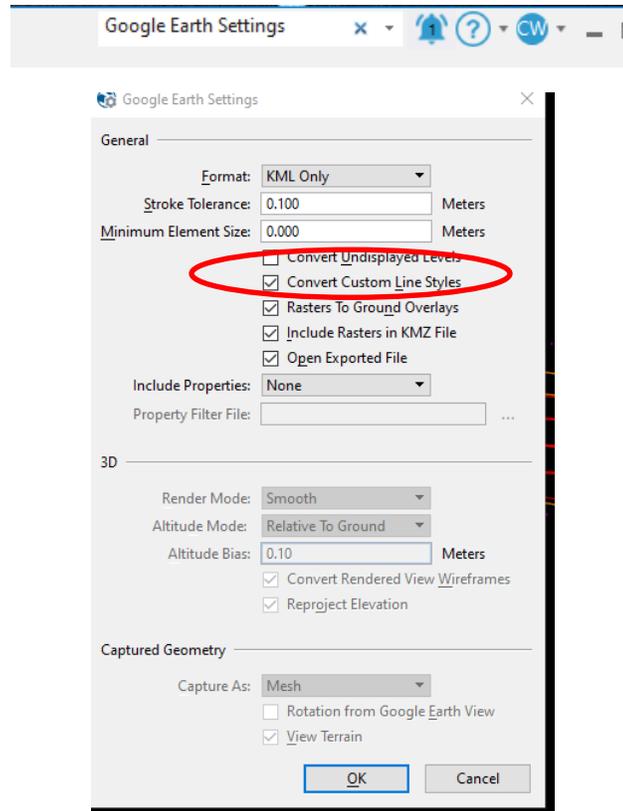
NOTE: Depending on the scale of the lines, it might be appropriate to change the scale. In this instance we alter the line scale to 10 scale to look more like disturb limits.



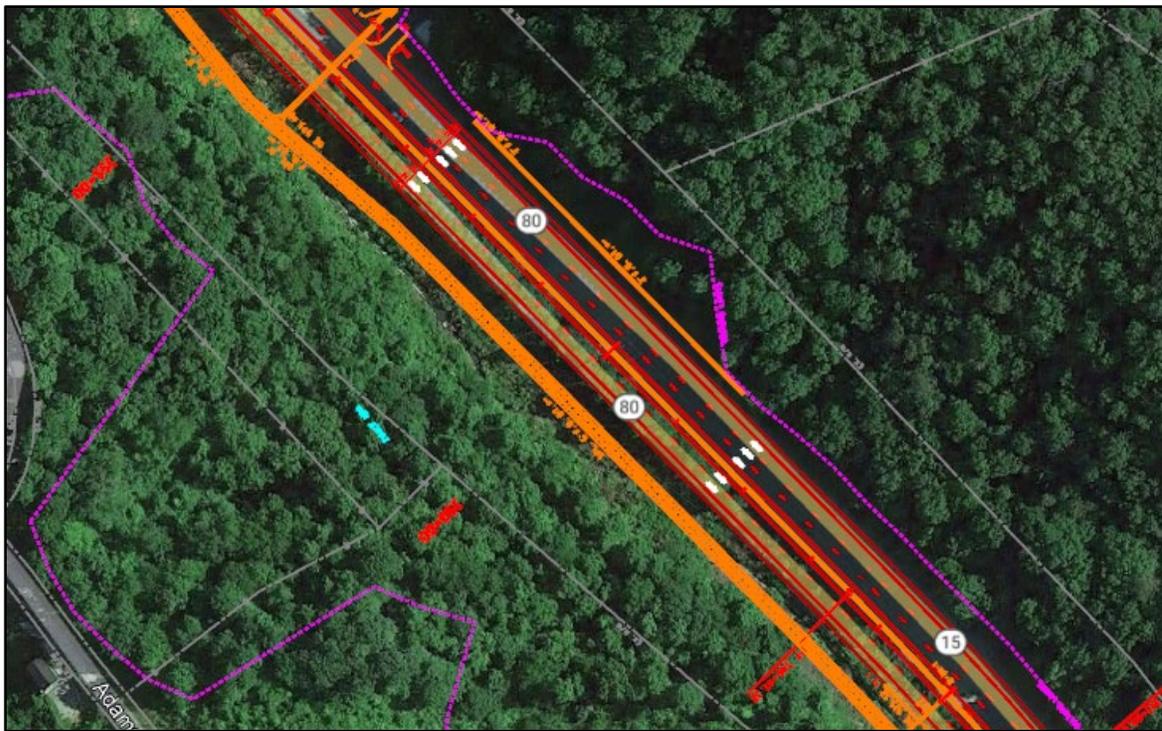
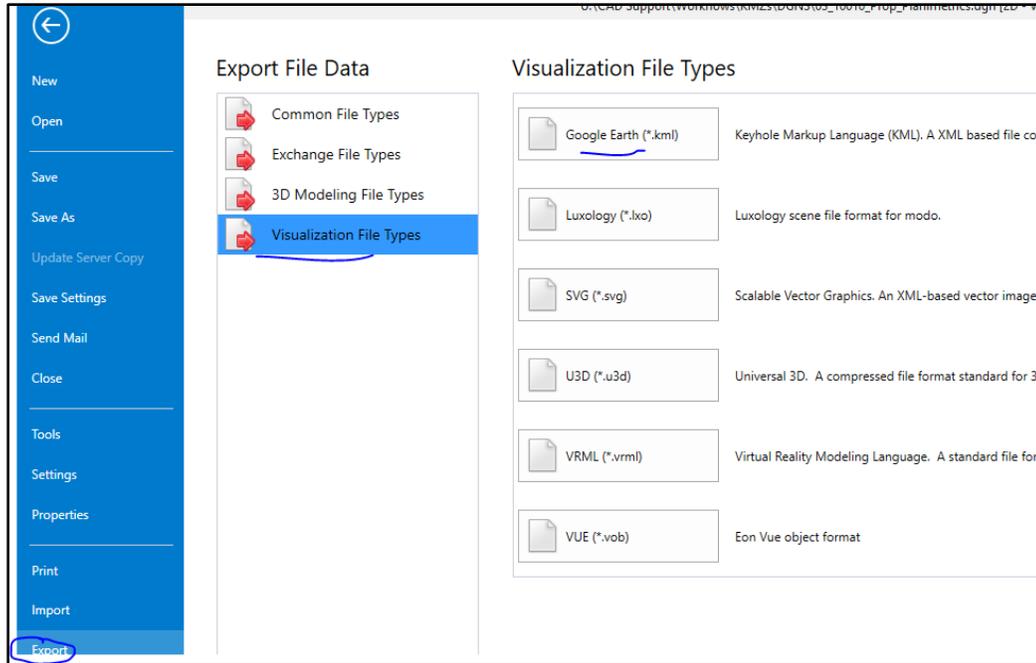
Step 3: A good check to ensure no line styles were missed is to use the element filter. Select all elements in the file and utilize the line stycler filter to insure there are no elements on the line styles 1-7.



Step 4: Once all lines are converted, set the options to export to Google Earth. Do so by searching for “Google Earth Settings” in the search ribbon. **Ensure the Convert Custom Line Styles is selected.**



Step 5: Then, under the File tab, click “Export”, “Visualization” and then “Google Earth”. See the following graphics.



NOTE: If the project does not come in the correct location, it is likely that the coordinate system is incorrect.